

## REDUNDANT APERTURE LAMP SYSTEM

### ABSTRACT OF THE DISCLOSURE

An aperture lamp system that facilitates improved reliability and performance in a display system is provided. The aperture lamp system provides improved reliability by providing a second lamp coupled to a first lamp through a coupling aperture. When the first lamp fails, the second lamp can be used to provide illumination to the display. Specifically, light from the second lamp passes through the coupling aperture to the first lamp, where it can exit the first lamp and illuminate the display. Thus, by coupling the first and second lamps together through a coupling aperture, a lamp system is provided where either the first lamp or second lamp can be used to provide illumination for the display. Thus, the first and second lamps provide redundancy, with this redundancy used to improve the reliability of the display system.